

ABSTRACT

A telescoping camera crane has mechanical drive and camera platform leveling systems, allowing for water resistant or submerged operation. Telescoping sections of the crane arm are driven by a hydraulic system, for smooth and near silent extension and retraction movement. The telescoping sections of the crane arm have a slight upward curvature, to compensate for deflection the arm, thereby improving performance. A riser section on the arm increases the effective length or reach of the arm. The extender section may also be pivotably mounted on the arm, so that it can quickly be moved into upright, inverted, or side positions.